VISUAL RANGE CONVERTER

INSTRUCTIONS FOR USE

Some Simmons VRC scopes have objective focus devices some do not. If your scope is not equipped with an objective focus device disregard the first sentence of these instructions.

Set the objective focus dial to approximately 150 yds. Point the scope at the sky and rotate the rear eyebell until the crosshair is perfectly clear and without fuzzy edges. It may be necessary to loosen the lock-ring on the rear eyebell to rotate it. If so, do so and then tighten it again when proper focus is acheived.

Properly mount the scope and sight it in at 150 yds. using the maximum power setting, using the main crosshair only. This has to be done with the yardage index dial removed from the elevation adjustment device. When this procedure has been completed and your rifle shoots a proper group at 150 yds. you are ready to utilize the range finder portion of this scope.

Select the proper index cap by matching it to the exact type of ammunition that you are going to use indicated on the cap selection chart. Once the correct cap is selected, mount it onto the elevation post and secure it with the large headed screw. Be sure that it is set at 150 yds. This is accomplished by matching up the white indicator dot to the 150 yd. index line on the cap. Your scope is now set to place the pre-selected bullet on the target at the yardage indicated on the elevation index cap. This is normally referred to as a Bullet Drop Compensator.

To utilize the range finder you must refer to the power selection ring that is located just forward of the rear eyebell. This ring is marked with magnification power numbers (largest numbers) and numerous other numbers and letters as well., The letters stand for "D" deer, "E" Elk, and "A" Antelope. The numbers stand for yards distance.

To use the range finder in a deer hunting situation use the following techniques. Find the deer in your scope, rotate the power ring until the animals body fits between the main crosshair and the straight secondary crosshair. The body is the "backbone to brisket" portion of the deer. Now read the "D" yardage number opposite the power ring indication dot and set your elevation cap to the same yardage number. Fire dead on using the main crosshair. Your bullet will follow the predetermined path to the target.

The same procedure is used for antelope by using the "A" yardage numbers. Merely use the power ring yardage number indicated, and set that yardage on the elevation cap and fire dead on with the main crosshair.

The same procedure is used for elk. Familarize yourself with the procedure and with some practice you can become proficient with this device.

Remember that you can use your scope without the range finder feature by merely setting the cap at a given yardage. Your bullet will follow the path of your original sighting-in adjustment.

Good shooting,

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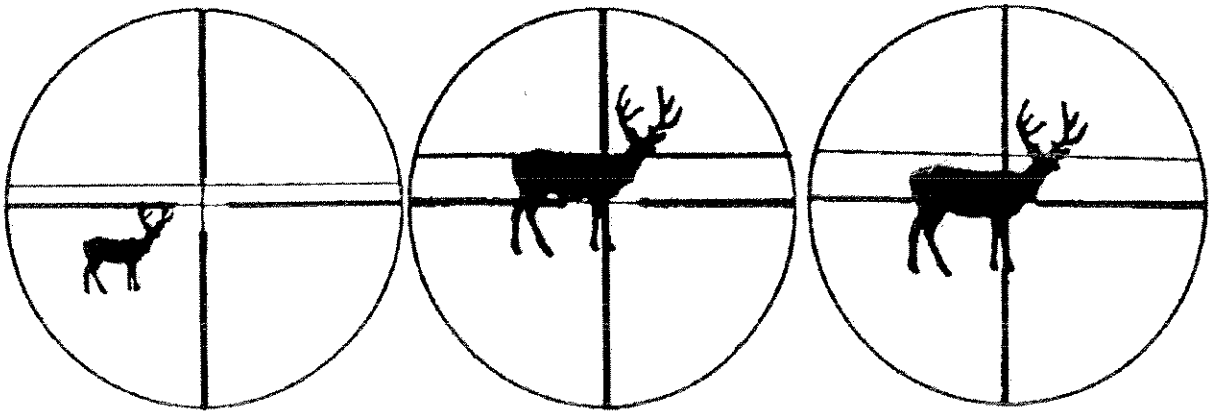

Find the deer in your scope.

Rotate the power ring until the animal's body fits between the main crosshair and the secondary straight crosshair.

Read the "D" yardage number opposite the indicator dot and set your elevation cap to the same yardage. Place the main crosshair directly on the target and fire dead on.

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Remember to always use the exact same bullet weight and type in your ammunition selection. This will insure maximum performance of your Simmons Range or Deerfield VRC Rangefinder. You will also find that the ammunition from different manufacturers will vary in performance. It is advisable to select one brand and stick with it.

CARTRIDGES LIST

VRC or PRO "1" Cartridges		Bullet Weight (grs.)	Bullet Type	Muzzle Velocity (fps)
22-250	Remington	55	PSP, HPPL, BTHP	3730
220	Swift	55	SP	3630
220	Swift	60	HP	3530
243	Winchester	100	BTSP	2960
6mm	Remington	80	PSP, HPPL	3470
25.06	Remington	87	HPPL	3440
25.06	Remington	90	PEP, HP	3440
270	Winchester	100	PSP	3480
270	Winchester	130	BTSP	3110
7mm	Mauser	140	SP	2660
7mm	Remington Mag	150	BTSP	3110
308	Accelerator	55	PSP	3770
30.06	Accelerator	55	PSP	4080
VRC or PRO "2"				
223	Remington	55	FMC, MC, BT	3240
243	Winchester	80	PSP, HPPL, FMJ	3350
243	Winchester	85	BTHP	3320
243	Winchester	100	PPSP, PSPCL, SP	2960
6mm	Remington	100	PSPCL, PPSP	3130
25.06	Remington	100	PSPCL	3230
25.06	Remington	117	SP	3060
25.06	Remington	120	PSPCL, PEP	3010
6.5 mm	Remington Mag	120	PSPCL	3210
264	Winchester Mag	100	PSP,PSPCL	3320
264	Winchester Mag	140	PPSP, PSPCL	3030
270	Winchester	130	PPSP, BP, SP	3110
270	Winchester	130	ST, PSPCL	3110
270	Winchester	150	BTSP	2900
7MM.08	Remington	140	PSPCL	2860
280	Remington	150	SPCL	2970
7mm	Remington Mag	150	PSPCL, PPSP, SP	3110
7mm	Remington Mag	165	BTSP	2860
7mm	Remington Mag	175	PSPCL, PPSP	2860
7mm	Remington Mag	160	NP	2950
30.06	Springfield	125	PSP,PSP, SP	3140
30.06	Springfield	150	BP	2910
30.06	Springfield	165	BTSP	2800
300	H&H Mag	180	ST, PSPCL	2880
300	Winchester Mag	150	PPSP, PSPCL	3290
300	Winchester Mag	180	PPSP, PSPCL, SP	2960
VRC or PRO "3"				
223	Remington	55	PSP, HPPL, MC	3240
250	Savage	87	PSP	3030
250	Savage	100	PSP	2820
257	Roberts	100	ST	2900
270	Winchester	150	PPSP	2900
270	Winchester	150	SPCL, SP	2900
284	Winchester	150	PPSP	2860
30.30	Accelerator	55	SP	3400
300	Savage	150	PPSP	2630
300	Savage	150	ST,SP, PSPCL	2630
308	Winchester	125	PSP	3050
308	Winchester	150	PPSP	2820
308	Winchester	150	ST, PSPCL, SP	2820
308	Winchester	165	BTSP	2700
308	Winchester	180	PPSP, SPCL	2620
308	Winchester	180	ST, PSPCL, SP	2620
30.06	Springfield	150	PPSP	2920
30.06	Springfield	150	ST, PSPCL, SP, SP	2910
30.06	Springfield	150	FMC, M.2	2910
30.06	Springfield	165	PSPCL	2800
30.06	Springfield	180	PSPCL, ST	2700
30.06	Springfield	180	BP	2700

HOW TO USE RANGEFINDER FOR GAME OTHER THAN THOSE LISTED

For example, if your target is a moose, multiply the deer size range by two, since a moose body is about twice as large as a deer. Or, if you are varminting, divide the indicated deer range by two, since a standing squirrel or gopher is nearly half the size of the deer body. Then, set the calculated distance on the dial and fire dead-on without hold-over. See the following chart for animal sizes.

GAME	SIZE	RANGE CONVERSION
Elk	24" Shoulder to Brisket	E direct reading
Deer	18' Shoulder to Brisket	D direct reading
Antelope (Pronghorn)	14" Shoulder to Brisket	A direct reading
Bear	18" Shoulder to Brisket	D direct reading
Moose	36" Shoulder to Brisket	D 2X reading
Mountain Lion, Boar	12" Shoulder to Brisket	E 1/2X reading
Woodchuck, Jackrabbit	18" Standing	D direct reading
Mule Deer, Sheep	22" Shoulder to Brisket	D plus 1/4 reading
Coyote, Fox, Bobcat	9" Shoulder to Brisket	D 1/2X reading
Crow, Gopher, Prairie Dog	9" Standing	D 1/2X reading